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DATE April 21, 2003

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ATTENTION OF Kao, Chin Cheng G.

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FROM Maria Eliseeva

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C/M/A # 21295/21/2335

MESSAGE Serial Number 09/681,186,  
Attached are:

1. Amendment
2. Petition for one-month extension of time
3. Clean copy of the drawing figures.

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Gerd Schneider et al.

Serial No.: 09/681,186

Art Unit: 2882

Filed: February 14, 2001

Examiner: Chih Cheng G. Kao

Confirmation No: 8480

For: Method for Examining Structures on a Semiconductor Substrate

CERTIFICATE OF FACSIMILE

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being facsimile transmitted on the date shown below to: Assistant Commissioner for Patents, Washington, DC 20231 at the fax number 703-872-9318:

By: Morris E. GreenDate: April 21, 2003

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ASSISTANT COMMISSIONER FOR PATENTS  
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AMENDMENT

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In response to the Office Action mailed December 19, 2002, Applicant responds and amends as follows:

In the specification:

Please replace the last paragraph of the specification (before the claims) with the following rewritten paragraph:

-- When a scanning X-ray microscope is operated with high-energy radiation, it is possible to generate X-ray fluorescence radiation from all those chemical elements that have absorption discontinuities with energies lower than that of the exciting radiation. Detector 15 for X-ray fluorescence is shown in FIG. 5. A scanned transmission image and a fluorescence image can thus be recorded simultaneously. --

Please replace Paragraph 21 on page 6 with the following paragraph: